

27 AUGUST 2019

DKTM1, Food 1 Building, Faculty of
Food Science and Technology, UPM
9.30 – 11.00 am



Antimicrobial Resistance and the effect on Food Safety and Security

The discovery of penicillin by Alexander Fleming in the 1900's was the start of a new era in treating human illness. Since then, many lives have been saved thanks to antibiotics. Today, antimicrobial resistance threatens the ability of antibiotics to treat human illness. This is a serious international issue resulting from the ability of the microorganisms that cause disease to develop resistance to antibiotics. This has been exacerbated by the widespread use of antibiotics where they are not really needed. One example of antibiotic abuse is feeding antibiotics to animals to preventative disease and enhance growth rather than just for treatment of disease. The greater the use of antibiotics, the greater the chance of resistance developing. It is becoming harder to treat all forms of human disease. This includes foodborne illness. While food safety is generally under control with manufacturers having processes and procedures in place to prevent the contamination of food with disease causing microorganisms, outbreaks of foodborne illness do occur and these can be very serious. The largest foodborne outbreak of *Listeria* illness occurred in South Africa in 2018 with over 200 people dying. Some foodborne disease outbreaks involve antibiotic resistant bacteria. This makes preventing food contamination even more important to avoid illnesses that are now harder to treat and can be lethal. The development of a food safety culture and advanced tools for food traceability will help in ensuring the safety and security of food into the future.



Invited Speaker:

Prof. Dr. Steve Flint

Massey University, New Zealand

Steve Flint completed his BSc in 1977, NZIM Diploma in 1979 and MSc in 1988. He received his PhD in 1998. He worked as Member of International Association for Food Protection and Member of New Zealand Institute of Food Science and Technology. He worked as Vice-President, New Zealand Microbiological Society. In 1997 he is Winner of the Bronson and Jacobs Award for Excellence in Food Science and Technology - best paper presented at the conference in New Zealand Institute of Food Science and Technology Conference, Napier. **He is currently working as a Professor in Food Safety and Microbiology at Massey University, New Zealand.**

Any enquiry, kindly contact: Dr. Noordiana Nordin (noordiana@upm.edu.my)

Free admission. Registration can be made at: <http://bit.ly/2KbuEoj>



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